

# Attachment 1: 1990 Census Industrial & Occupational Classification Codes

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U.S. DEPARTMENT OF COMMERCE  
Bureau of the Census  
Washington, DC 20233

## 1990 CENSUS OF POPULATION INDUSTRIAL CLASSIFICATION SYSTEM

"N.e.c." means not elsewhere classified.

1990 Census Code	Industry
<b>AGRICULTURE, FORESTRY, AND FISHERIES</b>	
010	Agricultural production, crops
011	Agricultural production livestock
012	Veterinary services
020	Landscape and horticultural services
030	Agricultural services, n.e.c.
031	Forestry
032	Fishing, hunting, and trapping
<b>MINING</b>	
040	Metal mining
041	Coal mining
042	Oil and gas extraction
050	Nonmetallic mining and quarrying, except fuel
060	<b>CONSTRUCTION</b>
<b>MANUFACTURING</b>	
	<b>Nondurable Goods</b>
	<i>Food and kindred products</i>
100	Meat products
101	Dairy products
102	Canned, frozen, and preserved fruits and vegetables
110	Grain mill products
111	Bakery products
112	Sugar and confectionery products
120	Beverage industries
121	Miscellaneous food preparations and kindred products
122	Not specified food industries

130	Tobacco manufactures
	<i>Textile mill products</i>
132	Knitting mills
140	Dyeing and finishing textiles, except wool and knit goods
141	Carpets and rugs
142	Yarn, thread, and fabric mills
150	Miscellaneous textile mill products
	<i>Apparel and other finished textile products</i>
151	Apparel and accessories, except knit
152	Miscellaneous fabricated textile products
	<i>Paper and allied products</i>
160	Pulp, paper, and paperboard mills
161	Miscellaneous paper and pulp products
162	Paperboard containers and boxes
	<i>Printing, publishing, and allied industries</i>
171	Newspaper publishing and printing
172	Printing, publishing and allied industries, except newspapers
	<i>Chemicals and allied products</i>
180	Plastics, synthetics, and resins
181	Drugs
182	Soaps and cosmetics
190	Paints, varnishes, and related products
191	Agricultural chemicals
192	Industrial and miscellaneous chemicals
	<i>Petroleum and coal products</i>
200	Petroleum refining
201	Miscellaneous petroleum and coal products
	<i>Rubber and miscellaneous plastics products</i>
210	Tires and inner tubes
211	Other rubber products, and plastics footwear and belting
212	Miscellaneous plastics products
	<i>Leather and leather products</i>
220	Leather tanning and finishing
221	Footwear, except rubber and plastic
222	Leather products, except footwear
	<b>Durable Goods</b>
	<i>Lumber and wood products, except furniture</i>
230	Logging
231	Sawmills, planing mills, and millwork
232	Wood buildings and mobile homes
241	Miscellaneous wood products

242	Furniture and fixtures
	<i>Stone, clay, glass, and concrete products</i>
250	Glass and glass products
251	Cement, concrete, gypsum, and planter products
252	Structural clay products
261	Pottery and related products
262	Miscellaneous nonmetallic mineral and stone products
	<i>Metal industries</i>
270	Blast furnaces, steelworks, rolling and finishing mills
271	Iron and steel foundries
272	Primary aluminum industries
280	Other primary metal industries
281	Cutlery, handtools, and general hardware
282	Fabricated structural metal products
291	Metal forgings and stampings
292	Ordnance
300	Miscellaneous fabricated metal products
301	Not specified metal industries
	<i>Machinery and computing equipment</i>
310	Engines and turbines
311	Farm machinery and equipment
312	Construction and material handling machines
320	Metalworking machinery
321	Office and accounting machines
322	Computers and related equipment
331	Machine, except electrical, n.e.c.
332	Not specified machinery
	<i>Electrical machinery, equipment, and supplies</i>
340	Household appliances
341	Radio, TV, and communication equipment
342	Electrical machinery, equipment, and supplies, n.e.c.
350	Not specified electrical machinery, equipment, and supplies
	<i>Transportation equipment</i>
351	Motor vehicles and motor vehicle equipment
352	Aircraft and parts
360	Ship and boat building and repairing
361	Railroad locomotives and equipment
362	Guided missiles, space vehicles, and parts
370	Cycles and miscellaneous transportation equipment
	<i>Professional and photographic equipment, and watches</i>
371	Scientific and controlling instruments

372	Medical, dental, and optical instruments and supplies
380	Photographic equipment and supplies
381	Watches, clocks, and clockwork operated devices
390	Toys, amusement, and sporting goods
391	Miscellaneous manufacturing industries
392	Not specified manufacturing industries
<b>TRANSPORTATION, COMMUNICATIONS AND OTHER PUBLIC UTILITIES</b>	
	<b>Transportation</b>
400	Railroads
401	Bus service and urban transit
402	Taxicab service
410	Trucking service
411	Warehousing and storage
412	U.S. Postal Service
420	Water transportation
421	Air transportation
422	Pipelines, except natural gas
432	Services incidental to transportation
	<b>Communications</b>
440	Radio and television broadcasting and cable
441	Telephone communications
442	Telegraph and miscellaneous communications services
	<b>Utilities and sanitary services</b>
450	Electric light and power
451	Gas and steam supply systems
452	Electric and gas, and other combinations
470	Water supply and irrigation
471	Sanitary services
472	Not specified utilities
<b>WHOLESALE TRADE</b>	
	<b>Durable Goods</b>
500	Motor vehicles and equipment
501	Furniture and home furnishings
502	Lumber and construction materials
510	Professional and commercial equipment and supplies
511	Metals and minerals, except petroleum
512	Electrical goods
521	Hardware, plumbing and heating supplies
530	Machinery, equipment, and supplies

531	Scrap and waste materials
532	Miscellaneous wholesale, durable goods
	<b>Nondurable Goods</b>
540	Paper and paper products
541	Drugs, chemicals and allied products
542	Apparel, fabrics, and notions
550	Groceries and related products
551	Farm-product raw materials
552	Petroleum products
560	Alcoholic beverages
561	Farm supplies
562	Miscellaneous wholesale, nondurable goods
571	Not specified wholesale trade
<b>RETAIL TRADE</b>	
580	Lumber and building material retailing
581	Hardware stores
582	Retail nurseries and garden stores
590	Mobile home dealers
591	Department stores
592	Variety stores
600	Miscellaneous general merchandise stores
601	Grocery stores
602	Dairy products stores
610	Retail bakeries
611	Food stores, n.e.c.
612	Motor vehicle dealers
620	Auto and home supply stores
621	Gasoline service stations
622	Miscellaneous vehicle dealers
623	Apparel and accessory stores, except shoe
630	Shoe stores
631	Furniture and home furnishings stores
632	Household appliance stores
633	Radio, TV, and computer stores
640	Music stores
641	Eating and drinking places
642	Drug stores
650	Liquor stores
651	Sporting goods, bicycles, and hobby stores
652	Book and stationary stores

660	Jewelry stores
661	Gift, novelty, and souvenir shops
662	Sewing, needlework and piece goods stores
663	Catalog and mail order houses
670	Vending machine operators
671	Direct selling establishments
672	Fuel dealers
681	Retail florists
682	Miscellaneous retail stores
691	Not specified retail trade
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	
700	Banking
701	Savings institutions, including credit unions
702	Credit agencies, n.e.c.
710	Security, commodity brokerage, and investment companies
711	Insurance
712	Real estate, including real estate-insurance offices
<b>BUSINESS AND REPAIR SERVICES</b>	
721	Advertising
722	Services to dwellings and other buildings
731	Personnel supply services
732	Computer and data processing services
740	Detective and protective services
741	Business services, n.e.c.
742	Automotive rental and leasing, without drivers
750	Automobile parking and carwashes
751	Automotive repair and related services
752	Electrical repair shops
760	Miscellaneous repair services
<b>PERSONAL SERVICES</b>	
761	Private households
762	Hotels and motels
770	Lodging places, except hotels and motels
771	Laundry, cleaning, and garment services
772	Beauty shops
780	Barber shops
781	Funeral service and crematories
782	Shoe repair shops

790	Dressmaking shops
791	Miscellaneous personal services
<b>ENTERTAINMENT AND RECREATION SERVICES</b>	
800	Theaters and motion pictures
801	Video tape rental
802	Bowling centers
810	Miscellaneous entertainment and recreation services
<b>PROFESSIONAL AND RELATED SERVICES</b>	
812	Offices and clinics of physicians
820	Offices and clinics of dentists
821	Offices and clinics of chiropractors
822	Offices and clinics of optometrists
830	Offices and clinics of health practitioners, n.e.c.
831	Hospitals
832	Nursing and personal care facilities
840	Health services, n.e.c.
841	Legal services
842	Elementary and secondary schools
850	Colleges and universities
851	Vocational schools
852	Libraries
860	Educational services, n.e.c.
861	Job training and vocational rehabilitation services
862	Child day care services
863	Family child care homes
870	Residential care facilities, without nursing
871	Social services, n.e.c.
872	Museums, art galleries and zoos
873	Labor unions
880	Religious organizations
881	Membership organizations, n.e.c.
882	Engineering architectural and surveying services
890	Accounting, auditing, and bookkeeping services
891	Research, development, and testing services
892	Management and public relations services
893	Miscellaneous professional and related services
<b>PUBLIC ADMINISTRATION</b>	
900	Executive and legislative offices

901	General government, n.e.c.
910	Justice, public order, and safety
921	Public finance, taxation, and monetary policy
922	Administration of human resources programs
930	Administration of environmental quality and housing programs
931	Administration of economic programs
932	National security and international affairs
940	Army
941	Air Force
942	Navy
950	Marines
991	Military

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## 1990 CENSUS OF POPULATION OCCUPATIONAL CLASSIFICATION SYSTEM

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<b>MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS</b>	
	<b>Executive, Administrative, and Managerial Occupations</b>
003	Legislators
004	Chief executives and general administrators, public administration
005	Administrators and officials, public administration
006	Administrators, protective services
007	Financial managers
008	Personnel and labor relations managers
009	Purchasing managers
013	Managers, marketing, advertising, and public relations
014	Administrators, education and related fields
015	Managers, medicine and health
016	Postmasters and mail superintendents
017	Managers, food serving and lodging establishments
018	Managers, properties and real estate
019	Funeral directors

021	Managers, service organizations, n.e.c.
022	Managers and administrators, n.e.c.
	<b>Management Related Occupations</b>
023	Accountants and auditors
024	Underwriters
025	Other financial officers
026	Management analysts
027	Personnel, training, and labor relations specialists
028	Purchasing agents and buyers, farm products
029	Buyers, wholesale and retail trade except farm products
033	Purchasing agents and buyers, n.e.c.
034	Business and promotion agents
035	Construction inspectors
036	Inspectors and compliance officers, except construction
037	Management related occupations, n.e.c.
	<b>PROFESSIONAL SPECIALTY OCCUPATIONS</b>
	<b>Engineers, Architects, and Surveyors</b>
043	Architects
	<i>Engineers</i>
044	Aerospace
045	Metallurgical and materials
046	Mining
047	Petroleum
048	Chemical
049	Nuclear
053	Civil
054	Agricultural
055	Electrical and electronic
056	Industrial
057	Mechanical
058	Marine and naval architects
059	Engineers, n.e.c.
063	Surveyors and mapping scientists
	<i>Mathematical and Computer Scientists</i>
064	Computer systems analysts and scientists
065	Operations and systems researchers and analysts
066	Actuaries
067	Statisticians
068	Mathematical scientists, n.e.c.
	<i>Natural Scientists</i>

069	Physicists and astronomers
073	Chemists, except biochemists
074	Atmospheric and space scientists
075	Geologists and geodesists
076	Physical scientists, n.e.c.
077	Agricultural and food scientists
078	Biological and life scientists
079	Forestry and conservation scientists
083	Medical scientists
	<i>Health Diagnosing Occupations</i>
084	Physicians
085	Dentists
086	Veterinarians
087	Optometrists
088	Podiatrists
089	Health diagnosing practitioners, n.e.c.
	<i>Health Assessment and Treating Occupations</i>
095	Registered nurses
096	Pharmacists
097	Dietitians
	<i>Therapists</i>
098	Respiratory therapists
099	Occupational therapists
103	Physical therapists
104	Speech therapists
105	Therapists, n.e.c.
106	Physicians' assistants
	<i>Teachers, Postsecondary</i>
113	Earth, environmental, and marine science teachers
114	Biological science teachers
115	Chemistry teachers
116	Physics teachers
117	Natural science teachers, n.e.c.
118	Psychology teachers
119	Economics teachers
123	History teachers
124	Political science teachers
125	Sociology teachers
126	Social science teachers, n.e.c.
127	Engineering teachers
128	Mathematical science teachers

129	Computer science teachers
133	Medical science teachers
134	Health specialties teachers
135	Business, commerce, and marketing teachers
136	Agriculture and forestry teachers
137	Art, drama, and music teachers
138	Physical education teachers
139	Education teachers
143	English teachers
144	Foreign language teachers
145	Law teachers
146	Social work teachers
147	Theology teachers
148	Trade and industrial teachers
149	Home economics teachers
153	Teachers, postsecondary, n.e.c.
154	Postsecondary teachers, subject not specified
	<i>Teachers, Except Postsecondary</i>
155	Teachers, prekindergarten and kindergarten
156	Teachers, elementary school
157	Teachers, secondary school
158	Teachers, special education
159	Teachers, n.e.c.
163	Counselors, educational and vocational
	<i>Librarians, Archivists, and Curators</i>
164	Librarians
165	Archivists and curators
	<i>Social Scientists and Urban Planners</i>
166	Economists
167	Psychologists
168	Sociologists
169	Social scientists, n.e.c.
173	Urban planners
	<i>Social, Recreation, and Religious Workers</i>
174	Social workers
175	Recreation workers
176	Clergy
177	Religious workers, n.e.c.
	<i>Lawyers and Judges</i>
178	Lawyers
179	Judges

	<i>Writers, Artists, Entertainers, and Athletes</i>
183	Authors
184	Technical writers
185	Designers
186	Musicians and composers
187	Actors and directors
188	Painters, sculptors, craft-artists, and artist printmakers
189	Photographers
193	Dancers
194	Artists, performers, and related workers, n.e.c.
195	Editors and reporters
197	Public relations specialists
198	Announcers
199	Athletes
<b>TECHNICAL, SALES AND ADMINISTRATIVE SUPPORT OCCUPATIONS</b>	
	<b>Technicians and Related Support occupations</b>
	<i>Health Technologists and Technicians</i>
203	Clinical laboratory technologists and technicians
204	Dental hygienists
205	Health record technologists and technicians
206	Radiologic technicians
207	Licensed practical nurses
208	Health technologists and technicians, n.e.c.
	<i>Technologists and Technicians, Except Health</i>
	<b>Engineering and Related Technologists and Technicians</b>
213	Electrical and electronic technicians
214	Industrial engineering technicians
215	Mechanical engineering technicians
216	Engineering technicians, n.e.c.
217	Drafting occupations
218	Surveying and mapping technicians
	<b>Science Technicians</b>
223	Biological technicians
224	Chemical technicians
225	Science technicians
	<b>Technicians: Except Health, Engineering and Science</b>
226	Airplane pilots and navigators
227	Air traffic controllers
228	Broadcast equipment operators
229	Computer programmers

233	Tool programmers, numerical control
234	Legal assistants
235	Technicians, n.e.c.
	<b>Sales Occupations</b>
243	Supervisors and proprietors, sales occupations
	<i>Sales Representatives, Finance and Business Services</i>
253	Insurance sales occupations
254	Real estate sales occupations
255	Securities and financial services sales occupations
256	Advertising and related sales occupations
257	Sales occupations, other business services
	<i>Sales Representatives, Commodities Except Retail</i>
258	Sales engineers
259	Sales representatives, mining, manufacturing, and wholesale
	<i>Sales Workers, Retail and Personal Services</i>
263	Sales workers, motor vehicles and boats
264	Sales workers, apparel
265	Sales workers, shoes
266	Sales workers, furniture and home furnishings
267	Sales workers; radio, TV, hi-fi, and appliances
268	Sales workers, hardware and building supplies
269	Sales workers, parts
274	Sales workers, other commodities
275	Sales counter clerks
276	Cashiers
277	Street and door-to-door sales workers
278	News vendors
	<i>Sales Related Occupations</i>
283	Demonstrators, promoters and models, sales
284	Auctioneers
285	Sales support occupations, n.e.c.
	<b>Administrative Support Occupations, Including Clerical</b>
	<i>Supervisors, Administrative Support Occupations</i>
303	Supervisors, general office
304	Supervisors, computer equipment operators
305	Supervisors, financial records processing
306	Chief communications operators
307	Supervisors; distribution, scheduling, and adjusting clerks
	<i>Computer Equipment Operators</i>
308	Computer operators
309	Peripheral equipment operators

	<i>Secretaries, Stenographers, and Typists</i>
313	Secretaries
314	Stenographers
315	Typists
	<i>Information Clerks</i>
316	Interviewers
317	Hotel clerks
318	Transportation ticket and reservation agents
319	Receptionists
323	Information clerks, n.e.c.
	<i>Records Processing Occupations, Except Financial</i>
325	Classified-ad clerks
326	Correspondence clerks
327	Order clerks
328	Personnel clerks, except payroll and timekeeping
329	Library clerks
335	File clerks
336	Records clerks
	<i>Financial Records Processing Occupations</i>
337	Bookkeepers, accounting, and auditing clerks
338	Payroll and timekeeping clerks
339	Billing clerks
343	Cost and rate clerks
344	Billing, posting, and calculating machine operators
	<i>Duplicating, Mail and Other Office Machine Operators</i>
345	Duplicating machine operators
346	Mail preparing and paper handling machine operators
347	Office machine operators, n.e.c.
	<i>Communications Equipment Operators</i>
348	Telephone operators
353	Communications equipment operators, n.e.c.
	<i>Mail and Message Distributing Occupations</i>
354	Postal clerks, exc. mail carriers
355	Mail carriers, postal service
356	Mail clerks, exc. postal service
357	Messengers
	<i>Material Recording, Scheduling, and Distributing Clerks</i>
359	Dispatchers
363	Production coordinators
364	Traffic, shipping, and receiving clerks
365	Stock and inventory clerks

366	Motor readers
368	Weighers, measurers, checkers and samplers
373	Expeditors
374	Material recording, scheduling, and distributing clerks, n.e.c.
	<i>Adjusters and Investigators</i>
375	Insurance adjusters, examiners, and investigators
376	Investigators and adjusters except insurance
377	Eligibility clerks, social welfare
378	Bill and account collectors
	<i>Miscellaneous Administrative Support Occupations</i>
379	General office clerks
383	Bank tellers
384	Proofreaders
385	Data-entry keyers
386	Statistical clerks
387	Teachers' aides
389	Administrative support occupations, n.e.c.
<b>SERVICE OCCUPATIONS</b>	
	<b>Private Household Occupations</b>
403	Launderers and ironers
404	Cooks, private household
405	Housekeepers and butlers
406	Child care workers, private household
407	Private household cleaners and servants
	<b>Protective Service Occupations</b>
	<i>Supervisors Protective Service Occupations</i>
413	Supervisors, firefighting and fire prevention occupations
414	Supervisors, police and detectives
415	Supervisors, guards
	<i>Firefighting and Fire Prevention Occupations</i>
416	Fire inspection and fire prevention occupations
417	Firefighting occupations
	<i>Police and Detectives</i>
418	Police and detectives, public service
423	Sheriffs, bailiffs, and other law enforcement officers
424	Correctional institution officers
	<i>Guards</i>
425	Crossing guards
426	Guards and police, except public service
427	Protective service occupations, n.e.c.

	<b>Service Occupations, Except Protective and Household</b>
	<i>Food Preparation and Service Occupations</i>
433	Supervisors, food preparation and service occupations
434	Bartenders
435	Waiters and waitresses
436	Cooks
438	Food counter, fountain and related occupations
439	Kitchen workers, food preparation
443	Waiters'/waitresses' assistants
444	Miscellaneous food preparation occupations
	<i>Health Service Occupations</i>
445	Dental assistants
446	Health aides, except nursing
447	Nursing aides, orderlies, and attendants
	<i>Cleaning and Building Service Occupations, except Household</i>
448	Supervisors cleaning and building service workers
449	Maids and houseman
453	Janitors and cleaners
454	Elevator operators
455	Post control occupations
	<i>Personal Service Occupations</i>
456	Supervisors, personal service occupations
457	Barbers
458	Hairdressers and cosmetologists
459	Attendants, amusement and recreation facilities
461	Guides
462	Ushers
463	Public transportation attendants
464	Baggage porters and bellhops
465	Welfare service aides
466	Family child care providers
467	Early childhood teacher's assistants
468	Child care workers, n.e.c.
469	Personal service occupations, n.e.c.
	<b>FARMING, FORESTRY AND FISHING OCCUPATIONS</b>
	<b>Farm Operators and Managers</b>
473	Farmers, except horticultural
474	Horticultural specialty farmers
475	Managers, farms, except horticultural
476	Managers, horticultural specialty farms

	<b>Other Agricultural and Related Occupations</b>
	<i>Farm Occupations Except Managerial</i>
477	Supervisors, farm workers
479	Farm workers
483	Marine life cultivation workers
484	Nursery workers
	<i>Related Agricultural Occupations</i>
485	Supervisors related agricultural occupations
486	Groundskeepers and gardeners, except farm
487	Animal caretakers, except farm
488	Graders and sorters, agricultural products
489	Inspectors, agricultural products
	<b>Forestry and Logging Occupations</b>
494	Supervisors, forestry, and logging workers
495	Forestry workers, except logging
496	Timber cutting and logging occupations
	<b>Fishers, Hunters, and Trappers</b>
497	Captains and other officers, fishing vessels
498	Fishers
499	Hunters and trappers
<b>PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS</b>	
	<b>Mechanics and Repairers</b>
503	Supervisors, mechanics and repairers
	<i>Mechanics and Repairers, Except Supervisors</i>
	Vehicle and Mobile Equipment Mechanics and Repairers
505	Automobile mechanics
506	Automobile mechanic apprentices
507	Bus, truck, and stationary engine mechanics
508	Aircraft engine mechanics
509	Small engine repairers
514	Automobile body and related repairers
515	Aircraft mechanics, exc. engine
516	Heavy equipment mechanics
517	Farm equipment mechanics
518	Industrial machinery repairers
519	Machinery maintenance occupations
	Electrical and Electronic Equipment Repairers
523	Electronic repairers, communications and industrial equipment
525	Data processing equipment repairers
526	Household appliance and power tool repairers

527	Telephone line installers and repairers
529	Telephone installers and repairers
533	Miscellaneous electrical and electronic equipment repairers
534	Heating, air conditioning, and refrigeration mechanics
	Miscellaneous Mechanics and Repairers
535	Camera, watch, and musical instrument repairers
536	Locksmiths and safe repairers
538	Office machine repairers
539	Mechanical controls and valve repairers
543	Elevator installers and repairers
544	Millwrights
547	Specified mechanics and repairers, n.e.c.
549	Not specified mechanics and repairers
	<b>Construction Trades</b>
	<i>Supervisors, Construction Occupations</i>
553	Supervisors; brickmasons, stonemasons, and tile setters
554	Supervisors; carpenters and related workers
555	Supervisors; electricians and power transmission installers
556	Supervisors; painters, paperhangers, and plasterers
557	Supervisors; plumbers, pipefitters, and steamfitters
558	Supervisors; n.e.c.
	<i>Construction Trades Except Supervisors</i>
563	Brickmasons and stonemasons
564	Brickmason and stonemason apprentices
565	Tile setters, hard and soft
566	Carpet installers
567	Carpenters
569	Carpenter apprentices
573	Drywall installers
575	Electricians
576	Electrician apprentices
577	Electrical power installers and repairers
579	Painters, construction and maintenance
583	Paperhangers
584	Plasterers
585	Plumbers, pipefitters, and steamfitters
587	Plumber, pipefitter, and steamfitter apprentices
588	Concrete and terrazzo finishers
589	Glaziers
593	Insulation workers
594	Paving, surfacing, and tamping equipment operators

595	Roofers
596	Sheetmetal duct installers
597	Structural metal workers
598	Drillers, earth
599	Construction trades, n.e.c.
	<b>Extractive Occupations</b>
613	Supervisors, extractive occupations
614	Drillers, oil well
615	Explosives workers
616	Mining machine operators
617	Mining occupations, n.e.c.
	<b>Precision Production Occupations</b>
628	Supervisors, production occupations
	<i>Precision Metal Working Occupations</i>
634	Tool and die makers
635	Tool and die maker apprentices
636	Precision assemblers, metal
637	Machinists
639	Machinist apprentices
643	Boilermakers
644	Precision grinders, filers, and tool sharpeners
645	Patternmakers and model makers, metal
646	Lay-out workers
647	Precious stones and metals workers (Jewelers)
649	Engravers, metal
653	Sheet metal workers
654	Sheet metal worker apprentices
655	Miscellaneous precision metal workers
	<i>Precision Woodworking Occupations</i>
656	Patternmakers and model makers, wood
657	Cabinet makers and bench carpenters
658	Furniture and wood finishers
659	Miscellaneous precision woodworkers
	<i>Precision Textile, Apparel, and Furnishings Machine Workers</i>
666	Dressmakers
667	Tailors
668	Upholsterers
669	Shoe repairers
674	Miscellaneous precision apparel and fabric workers
	<i>Precision Workers, Assorted Materials</i>
675	Hand molders and shapers, except jewelers

676	Patternmakers, lay-out workers, and cutters
677	Optical goods workers
678	Dental laboratory and medical appliance technicians
679	Bookbinders
683	Electrical and electronic equipment assemblers
684	Miscellaneous precision workers, n.e.c.
	<i>Precision Food Production Occupations</i>
686	Butchers and meat cutters
687	Bakers
688	Food batchmakers
	<i>Precision Inspectors, Testers, and Related Workers</i>
689	Inspectors, testers, and graders
693	Adjusters and calibrators
	<b>Plant and System Operators</b>
694	Water and sewage treatment plant operators
695	Power plant operators
696	Stationary engineers
699	Miscellaneous plant and system operators
<b>OPERATORS, FABRICATORS, AND LABORERS</b>	
	<b>Machine Operators, Assemblers, and Inspectors</b>
	<i>Machine Operators and Tenders, except Precision Metal Working and Plastic Working Machine Operators</i>
703	Lathe and turning machine set-up operators
704	Lathe and turning machine operators
705	Milling and planing machine operators
706	Punching and stamping press machine operators
707	Rolling machine operators
708	Drilling and boring machine operators
709	Grinding, abrading, buffing, and polishing machine operators
713	Forging machine operators
714	Numerical control machine operators
715	Miscellaneous metal, plastic, stone, and glass working machine operators
717	Fabricating machine operators, n.e.c.
	<i>Metal and Plastic Processing Machine Operators</i>
719	Molding and canting machine operators
723	Metal plating machine operators
724	Heat treating equipment operators
725	Miscellaneous metal and plastic processing machine operators
	<i>Woodworking Machine Operators</i>
726	Wood lathe, routing, and planing machine operators
727	Sawing machine operators

728	Shaping and joining machine operators
729	Nailing and tacking machine operators
733	Miscellaneous woodworking machine operators
	<i>Printing Machine Operators</i>
734	Printing press operators
735	Photoengravers and lithographers
736	Typesetters and compositors
737	Miscellaneous printing machine operators
	<i>Textile, Apparel, and Furnishings Machine Operators</i>
738	Winding and twisting machine operators
739	Knitting, looping, taping, and weaving machine operators
743	Textile cutting machine operators
744	Textile serving machine operators
745	Shoe machine operators
747	Pressing machine operators
748	Laundering and dry cleaning machine operators
749	Miscellaneous textile machine operators
	<i>Machine Operators, Assorted Materials</i>
753	Cementing and gluing machine operators
754	Packaging and filling machine operator
755	Extruding and forming machine operators
756	Mixing and blending machine operators
757	Separating, filtering, and clarifying machine operators
758	Compressing and compacting machine operators
759	Painting and paint spraying machine operators
763	Roasting and baking machine operators, food
764	Washing, cleaning, and pickling machine operators
765	Folding machine operators
766	Furnace, kiln, and oven operators, exc. food
768	Crushing and grinding machine operators
769	Slicing and cutting machine operators
773	Motion picture projectionists
774	Photographic process machine operators
777	Miscellaneous machine operators, n.e.c.
779	Machine operators, not specified
	<i>Fabricators, Assemblers, and Hand Working Occupations</i>
783	Welders and cutters
784	Solderers and brazers
785	Assemblers
786	Hand cutting and trimming occupations
787	Hand molding, casting, and forming occupations

789	Hand painting, coating, and decorating occupations
793	Hand engraving and printing occupations
795	Miscellaneous hand working occupations
	<i>Production Inspectors, Testers, Samplers, and Weighers</i>
796	Production inspectors, checkers, and examiners
797	Production testers
798	Production samplers and weighers
799	Graders and sorters, exc. agricultural
	<b>Transportation and Material Moving Occupations</b>
	<i>Motor Vehicle Operators</i>
803	Supervisors, motor vehicle operators
804	Truck drivers
806	Driver-sales workers
808	Bus drivers
809	Taxicab drivers and chauffeurs
813	Parking lot attendants
814	Motor transportation occupations, n.e.c.
	<i>Transportation Occupations, Except Motor Vehicles</i>
	<b>Rail Transportation Occupations</b>
823	Railroad conductors and yardmasters
824	Locomotive operating occupations
825	Railroad brake, signal, and switch operators
826	Rail vehicle operators, n.e.c.
	<b>Water Transportation Occupations</b>
828	Ship captains and mates, except fishing boats
829	Sailors and deckhands
833	Marine engineers
834	Bridge, lock, and lighthouse tenders
	<b>Material Moving Equipment Operators</b>
843	Supervisors, material moving equipment operators
844	Operating engineers
845	Longshore equipment operators
848	Hoist and winch operators
849	Crane and tower operators
853	Excavating and loading machine operators
855	Grader, dozer, and scraper operators
856	Industrial truck and tractor equipment operators
859	Miscellaneous material moving equipment operators
	<b>Handlers, Equipment Cleaners, Helpers, and Laborers</b>
864	Supervisors, handlers, equipment cleaners, and laborers, n.e.c.
865	Helpers, mechanics and repairers

	<i>Helpers, Construction and Extractive Occupations</i>
866	Helpers, construction trades
867	Helpers, surveyor
868	Helpers, extractive occupations
869	Construction laborers
874	Production helpers
	<i>Freight, Stock, and Material Handlers</i>
875	Garbage collectors
876	Stevedores
877	Stock handlers and baggers
878	Machine feeders and offbearers
883	Freight, stock, and material handlers, n.e.c.
885	Garage and service station related occupations
887	Vehicle washers and equipment cleaners
888	Hand packers and packagers
889	Laborers, except construction
<b>MILITARY OCCUPATIONS</b>	
905	Military occupation

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## **Military Industries and Occupations**

Researchers should be aware of several issues regarding military industries and occupations. The questionnaire is designed so that respondents in the active Armed Forces should not be asked to report the industry and occupation of that job in the same questions that collect information about civilian jobs. Rather, respondents report their military occupational specialty as part of a series tailored to military jobs that also asks about the branch of the Armed Forces, the respondent's dates of enlistment, military pay grade, etc. This means that the military industry and occupation codes should appear very rarely in the NLSY97 data, occurring only if a respondent has a civilian job but is associated with the military in some way. However, some respondents in the active military answered the civilian jobs questions instead of the military questions in rounds 2 and 3, causing military respondents to be included in the industry and occupation variables as well as other regular employment questions like hourly rate of pay. This occurred for two reasons.

First, the question that identifies military jobs is YEMP-58500, the class of worker question, which asks whether the respondent's employer was the government, a private employer, a non-profit organization, a family business or farm, or the active Armed Forces. Respondents in the military should respond that they are in the active Armed Forces, and they are then asked the series of questions tailored to military jobs. However, some respondents with military jobs appear to have answered this question incorrectly; most of these respondents reported that they worked for the government. These respondents were then asked the set of questions about regular civilian employee jobs.

Second, some military respondents in round 3 were incorrectly routed through the civilian jobs section

due to a programming error. If a respondent states that he or she is still employed with an employer reported in a previous round, the class of worker question is not asked. Instead, the respondent is routed to the correct series of questions based on a preset flag that identifies the job as military or civilian. However, this flag was not set correctly for respondents who reported military employment in round 2, and so these respondents were routed to the civilian series of questions in round 3.

These problems affected a very small number of respondents in rounds 2 and 3. However, researchers interested in civilian employment may want to remove these respondents from their analyses; conversely, users investigating military employment may want to include these respondents even though they did not answer the military series of questions. Researchers can identify respondents in the active Armed Forces by examining the variables MILFLAG and MILCODE on the employer (YEMP) roster. These roster items were edited to identify military jobs regardless of whether they were reported in the military or civilian section of the instrument. Virtually all military jobs appear as job #01 on the roster. Information about using roster variables in analyses is provided in Appendix 8 in this *Codebook Supplement*.

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